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1. An interface apparatus for performing communications between a remote computer system and a host server over a "connection establishment" type network having an associated "connection-establishment" protocol, said computer system having application software for facilitating "always connected" type communications on a network between said computer system and said server, said apparatus comprising:
- a means for emulating the operation of an "always connected" type I/O device driver to said application software during transmission of said communications;
- wherein in response to said emulation means said application software functions as though said communications are being transmitted over an "always connected" type network with another computer system utilizing "always connected" type protocol and said communications are transmitted over said "connection establishment" type network without performing connection establishment steps.
2. The apparatus as described in Claim 1 wherein said emulation means comprises means for emulating "always connected" type network services.
3. The apparatus as described in Claim 2 wherein said emulation means comprises means for intercepting "always connected" type service messages received from said application software and means for generating "always connected" type service messages for transmitting to said application software in response to said received service messages.
4. The apparatus as described in Claim 3 wherein "always connected" type network services are ARP services.

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initiating a transmission of a communication with said application software;
emulating the operation of an "always connected" type I/O device driver
thereby causing said application software to function as though said
communications are being transmitted over a network with another computer
system utilizing an "always connected" type protocol and causing said application
software to pass said communications to a wireless modem apparatus for
transmission on said wireless network;

20 11. The method as described in Claim 10 wherein said step of emulating the operation of an "always connected" type I/O device driver comprises the step of emulating "always connected" type network services.

12. The method as described in Claim 11 wherein said step of emulating
25 comprises intercepting "always connected" type network service messages
transmitted from said application software and, in response, transmitting "always
connected" type network service messages back to said application software.

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13. The method as described in Claim 12 wherein said "always connected" type network services include ARP services.

14. The method as described in Claim 12 wherein said "always
5 connected" type network services include DHCP services.

15. The method as described in Claim 13 wherein said step of emulating
comprises transmitting an ARP service message to said application software which
includes an associated address corresponding to a globally unique identification
10 address of said apparatus in response to an ARP message transmitted from said
application software, wherein said host computer perceives said associated address
is a destination IP address of another computer system that is on a same "always
connected" type network as said computer system thereby causing said
communications to be passed to said wireless modem apparatus.

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16. The method as described in Claim 14 wherein said step of emulating
comprises the step of transmitting a DHCP message to said application software
which includes an associated identifier corresponding to a IP address in response to
an DHCP message transmitted from said application software, wherein said host
20 computer perceives said associated identifier is a dynamically assigned IP address
and said associated identifier is assigned to a TCP/IP stack within said computer
system.

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